TOOLS
OF
PROGRESS
DURO METAL
PRODUCTS CO.
CHICAGO
U. S. A.
35M

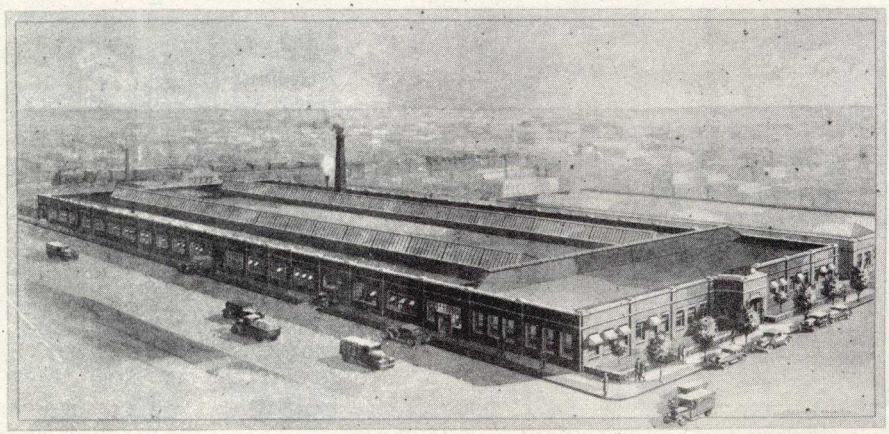
DURO QUALITY PRODUCTS

Your distributor whose name is shown on the back cover of this catalog will be glad to furnish you any of the tools listed in this catalog at prices shown and he will also be glad to show you hundreds of other Duro Quality Tools which he is in position to supply.

YOUR GUARANTEE from your distributor as well as from us protects you fully. Any tool defective either in material or workmanship will be replaced.

If your jobber cannot furnish you any tool it will be sent to you prepaid upon receipt of price shown and your jobber's name.

POORLY EQUIPPED MECHANICS
COST MORE THAN DURO TOOLS



The Home of Quality Products

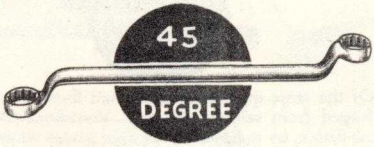
Printed in U.S.A.

"HANDY-TWIN-HEX"
12-Point Box Wrenches

Forged from Chrome Vanadium Steel

Regular Long Type Box Wrenches

Satin Finish with Polished Heads



This type wrench is popular with both the mechanic and the car owner. "Handy-Twin-Hex" 12 point box wrenches are mechanically right, have the reserve strength, comfortable handles, handsomely finished, clean, sharp broaching, and that feel of a quality tool so much appreciated by the mechanic.

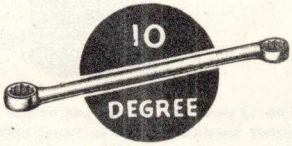
Wrench No.	Sizes	Price	U. S. Std. Bolt Size	Hex. Cap Screws	S. A. E. Std. Screw and Nut	Length
02051	3/8" x 7/16"	$0.45	.....	3/16" ..... 1/4"	..... 1/4"	7 5/8"
02052	1/2" x 9/16"	.50	3/16"	3/16" ..... 3/8"	3/16" ..... 3/8"	8 5/8"
02053	5/8" x 11/16"	.55	..... 3/8"	7/16"	7/16"	9 3/4"
02054	3/4" x 25/32"	.65	..... 7/16"	1/2"	1/2"	11 1/8"
02055	13/16" x 7/8"	.75	..... 1/2"	9/16" ..... 5/8"	..... 9/16"	12 1/2"
02056	15/16" x 1"	.90	.....	..... 3/4"	5/8" ..... 11/16"	14 1/4"
02057	1 1/16" x 1 1/8"	1.20	5/8"	..... 7/8"	3/4"	16"
02058A	1 9/16" x 1 1/4"	1.35	..... 3/4"	..... 1"	..... 7/8"	17 3/4"
02058B	1 1/8" x 1 1/4"	1.35	..... 3/4"	7/8" ..... 1"	..... 7/8"	17 3/4"

6 Wrenches Packed to a Carton

No. 02006F—Set of Six "Handy-Twin-Hex" Box Wrenches, openings 3/8" to 1" inclusive, Nos. 02051, 02052, 02053 02054, 02055 and 02056, in a substantial carton. *Shipping Weight, 3 1/2 lbs.* ..... **Price $3.75**

No. 02005F—Set of Five "Handy-Twin-Hex" Box Wrenches, openings 3/8" to 7/8" inclusive, Nos. 02051, 02052, 02053, 02054 and 02055, in a substantial carton. *Shipping Weight, 3 lbs.* ..... **Price $2.85**

10° Angle Long Type Box Wrenches



Wrench No.	Sizes	Price	U. S. Std. Bolt Size	Hex. Cap Screws	S. A. E. Std. Screw and Nut	Length
02011	3/8" x 7/16"	$0.45	.....	3/16" ... 1/4"	..... 1/4"	6 3/4"
02012	1/2" x 9/16"	.50	3/16"	3/16" ... 3/8"	3/16" ... 3/8"	7 7/8"
02013	9/16" x 5/8"	.55	.....	3/8" ... 7/16"	3/8" ... 7/16"	9"
02014	11/16" x 25/32"	.60	3/8" ... 7/16"	.....	.....	10"
02015	3/4" x 7/8"	.70	..... 1/2"	1/2" ... 5/8"	1/2" ... 9/16"	11"

6 Wrenches Packed to a Carton

No. 02010-5F—Set of 5—10° Long Type Box Wrenches Nos. 02011-15 in carton. *Shipping Weight, 2 lbs.* ... **Price $2.70**

Double Crescent Box Wrenches

Wrench No.	Sizes	Price	U. S. Std. Bolt Size	Hex. Cap Screws	S. A. E. Std. Screw and Nut	Length
02068	3/8" x 7/16"	$0.55	.....	3/16" ... 1/4"	..... 1/4"	5 3/4"
02069	1/2" x 9/16"	.60	3/16"	3/16" ... 3/8"	1/2" ... 9/16"	6 1/2"
02070	9/16" x 5/8"	.65	.....	3/8" ... 7/16"	3/16" ... 3/8"	7 3/4"
02071	11/16" x 25/32"	.75	3/8" .. 7/16"	.....	.....	8 1/2"
02072	3/4" x 7/8"	.85	..... 1/2"	1/2" ... 5/8"	3/8" ... 7/16"	9 3/4"

6 Wrenches Packed to a Carton

No. 02075—Set of Five Double Crescent Wrenches in Roll. *Weight, 2 lbs.* ..... **Price $3.65**

No. 02075F—Set of Five Double Crescent Wrenches in Fiber Carton. *Weight, 2 lbs.* ..... **Price $3.35**

Fully guaranteed as to material and workmanship

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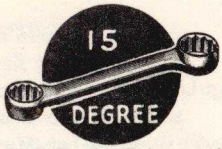
QUALITY PRODUCTS

"HANDY-TWIN-HEX" Box Wrenches

TWELVE POINT

Short Type

Satin Finish with Polished Heads



Of the same quality, strength and finish as our full length Box Wrenches. Twelve Point openings. Drop forged from selected Chrome Vanadium Steel, heat treated, tempered and hardened. Designed for the mechanic, by mechanics, for tight places where the full length wrench proves to be too long.

Wrench No.	Size	Length	Price	U. S. Std. Bolt Size	Hex Cap Screw	S. A. E. Std. Screw and Nut	Wrench No.	Size	Length	Price
02041	3/8" x 7/16"	4½"	$0.40	.....	3/16" .. 1/4"	..... 1/4"	02061	3/8" x 7/16"	4"	$0.40
02042	1/2" x 9/16"	5¼"	.45	1/4"	1/16" .. 3/8"	1/16" .. 3/8"	02062	1/2" x 9/16"	4½"	.45
02043	5/8" x 11/16"	6"	.50	..... 3/8"	5/16"	5/16"	02063	5/8" x 11/16"	5"	.45
02044	3/4" x 29/32"	6¾"	.60	..... 7/16"	1/2"	1/2"	02064	3/4" x 29/32"	5½"	.55

No. 02040-3—Set of three "Handy-Twin-Hex" Forty-Five Degree Short Wrenches Nos. 02041, 02042, and 02043, in canvas bag. *Weight, ½ lb.*..... **Price $1.45**

No. 02040-3F—Same as No. 02040-3, but in a substantial carton. *Shipping Weight, ½ lb.*.... **Price $1.35**

No. 02040-4—Set of four "Handy-Twin-Hex" Forty-Five Degree Short Wrenches Nos. 02041, 02042, 02043, and 02044, in canvas bag. *Weight, 1 lb.*... **Price $2.05**

No. 02040-4F—Same as No. 02040-4, but in a substantial carton. *Shipping Weight, 1 lb.*.... **Price $1.95**

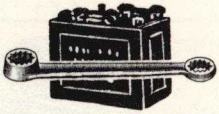
No. 02060-3—Set of three "Handy-Twin-Hex" Fifteen Degree Short Wrenches Nos. 02061, 02062, and 02063, in canvas bag. *Shipping Weight, ½ lb.*.... **Price $1.35**

No. 02060-3F—Same as No. 02060-3, but in a substantial carton. *Shipping Weight, ½ lb.*... **Price $1.30**

No. 02060-4—Set of four "Handy-Twin-Hex" Fifteen Degree Short Wrenches Nos. 02061, 02062, 02063, and 02064, in canvas bag. *Weight, 1 lb.*..... **Price $1.90**

No. 02060-4F—Same as No. 02060-4, but in a substantial carton. *Shipping Weight, 1 lb.*... **Price $1.85**

Battery and Starter Wrench



This 12 point 5/8" and 9/16" box wrench fits practically all battery terminals as well as starter units on many cars. Drop forged from high grade steel. Satin finish with polished heads. Length 6 in. *6 to a Carton, 1¾ lbs.*

No. 647—Battery and Starter Wrench..... **Price $0.40**

Starter and Manifold Wrench

A Drop Forged, Chrome Vanadium Steel, 12-point wrench, especially designed as a time saving tool, not only for removing and replacing starters, but also for manifolds, carburetors and many other hard-to-get-at places. Triple plated satin finish, with polished heads, 9½" long, 5/8" and 9/16" openings.

Packed 6 to the Carton, Weight, 2¼ lbs.

No. 02081—Starter and Manifold Wrench.. **Price $0.70**

Combination Box and Open End Wrenches

Drop forged from Chrome Vanadium Steel, triple plated satin finish with polished heads. Same opening on each end, one box type with 10° offset, the other open end. Especially useful for fast work in difficult places to reach.

No. 02030-4F—Set of four, sizes 7/16", ½", 9/16", and 5/8" in carton, *Weight, 1½ lbs.*... **Price $1.90**

No. 02030-4—Same set as above in leatherette roll. Price $2.15

No.	Size	Length	Price
02031	3/8"	7"	$0.40
02032	7/16"	7¼"	.40
02033	1/2"	7⅝"	.45
02034	9/16"	8"	.50
02035	5/8"	8½"	.55
02036	11/16"	8¾"	.60

No. 02030-6F—Set of six wrenches described above, in carton. *Weight, 2 lbs.*..... **Price $2.90**

No. 02030-6—Same set as above in leatherette roll. Price $3.30

Fully guaranteed as to material and workmanship

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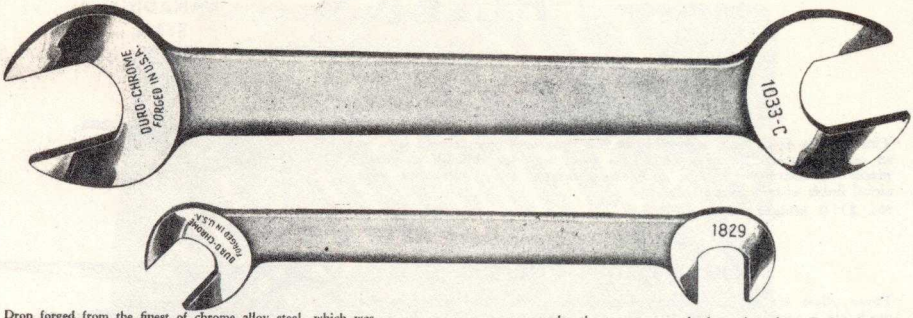
QUALITY PRODUCTS

AUTOMOTIVE OPEN END WRENCHES



Drop forged from the finest of chrome alloy steel, which was selected for its outstanding tensile strength and elasticity, carefully hardened and tempered to give the greatest resiliency under the most severe shocks and strains. Designed to give that certain feeling of balance and assurance of a real tool. Easy on the hand. Accurate openings assure positive grip. Extra long.

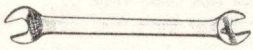
OPEN END WRENCHES, AUTOMOTIVE TYPE

No.	Size Openings	Length	Wt. per Doz.	Price Ea.
1721	5/16 & 3/8	5"	1 lb.	$0.30
1021	5/16 & 13/32			
1722	5/16 & 7/16			
1723	3/8 & 7/16			
1022	5/16 & 1/2	5 3/4"	1 lb. 14 oz.	.35
1023	13/32 & 1/2			
1723A	3/8 & 1/2			
1024	13/32 & 19/32	6 1/4"	2 lb. 4 oz.	.45
1725	7/16 & 1/2			
1725A	7/16 & 9/16			
1725B	1/2 & 9/16			
1025	1/2 & 19/32			
1726	1/2 & 5/8	7 1/8"	3 lb. 6 oz.	.50
1026	1/2 & 11/16			
1727	9/16 & 5/8			
1027	19/32 & 11/16			
1027C	9/16 & 11/16			
1728	9/16 & 3/4	8 1/4"	5 lb. 10 oz.	.60
1028	19/32 & 25/32			
1028S	5/8 & 25/32			
1729	5/8 & 3/4			
1029	11/16 & 25/32			
1030	11/16 & 7/8			
1731	3/4 & 13/16	9 3/8"	7 lb. 8 oz.	.80
1731A	3/4 & 7/8			
1031	25/32 & 7/8			
1731B	13/16 & 7/8			
1032	25/32 & 31/32			
1033A	7/8 & 15/16			
1033	7/8 & 31/32			
1732HB	3/4 & 1 1/16			
1733	7/8 & 1	10 5/8"	12 lb. 6 oz.	1.10
1033C	15/16 & 1			
1034	7/8 & 1 1/16			
1734	7/8 & 1 1/8			
1035	31/32 & 1 1/16			
1735	1 & 1 1/8	12 1/4"	18 lb.	1.45
1036	31/32 & 1 1/4			
1736	1 & 1 1/4			
1037	1 1/16 & 1 1/4			
1737	1 1/8 & 1 1/4			

OBSTRUCTION END WRENCHES

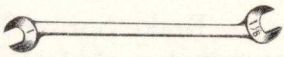
No.	Size Openings	Length	Wt. per Doz.	Price Ea.
1821	3/8" x 3/8"	5 1/2"	1 lb. 3 oz.	$0.10
1823	7/16" x 7/16"	5 1/2"	1 lb. 5 oz.	.10
1825	1/2" x 1/2"	6 1/2"	2 lb. 3 oz.	.45
1827	9/16" x 9/16"	6 1/2"	2 lb. 3 oz.	.45
1829	5/8" x 5/8"	7 1/2"	2 lb. 15 oz.	.55
1830	11/16" x 11/16"	7 1/2"	2 lb. 15 oz.	.55
1831	3/4" x 3/4"	7 1/2"	2 lb. 15 oz.	.55

TAPPET WRENCHES



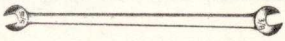
D1	7/16" x 17/32"	8"	2 lb. 8 oz.	.40
D1A	7/16" x 1/2"	8"	2 lb. 8 oz.	.10
D2	1/2" x 9/16"	8 1/2"	2 lb. 12 oz.	.40
D3	5/8" x 11/16"	9"	3 lb.	.45
D4	3/4" x 7/8"	9 1/2"	4 lb.	.55
D4A	3/4" x 13/16"	9 1/2"	4 lb.	.55

EXTRA LONG HEAVY DUTY



1731AL	3/4" x 7/8"	15"	12 lbs.	1.30
1034AL	15/16" x 1 1/16"	16"	18 lbs.	1.40
1735L	1" x 1 1/8"	16"	18 lbs.	1.40

EXTRA LONG FOR BRAKE ECCENTRICS



1720L	3/16" x 1/4"	9"	3 lbs.	.65
1721L	5/16" x 3/8"	9"	3 lbs.	.65

6 Wrenches of one size to standard carton.

Fully guaranteed as to material and workmanship

Printed in U.S.A.

QUALITY PRODUCTS

DROP FORGED

PLIERS

CHROME VANADIUM STEEL

Midget Ignition Pliers

This plier is 4½" long, adjustable in four positions from closed jaws to an opening range up to 9/16". An ideal tool for difficult to reach places on distributor heads, generators, timers, etc. Attractive satin nickel finish with polished jaws.

No. 2110 Midget Ignition Pliers ..... **Price $0.75**
Weight, 1 oz.

No. 2110

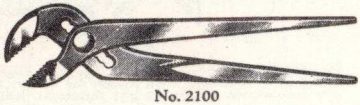
Water Pump Pliers

These pliers are built for long, dependable service and will give the mechanic a wealth of satisfaction for all around uses. While the head and jaws are especially designed for adjusting water pump packing nuts, these pliers are most useful in other tight places as general utility pliers.

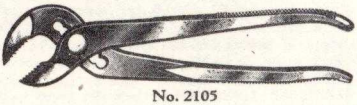
The parallel thin jaws are adjustable in eight positions from closed to an opening of 1¾". Handsome duplex satin finish with polished jaws.

No. 2100—9" Straight Handle Pliers ..... **Price $1.00**
Weight, 11 oz.

No. 2105—9½" Pliers with hand-fit curved, slip-proof handles, insuring perfect grip ..... **Price $1.25**
Weight, 11 oz.



No. 2100

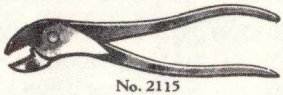


No. 2105

Battery Pliers

These pliers are designed to provide positive gripping of badly corroded or mutilated battery terminal nuts.
The convenient angle of the jaws as well as the shape makes it possible to use these pliers in many positions that are inaccessible to many tools. Curved and hand-fit handles eliminate pinching the palm of the hand. Triple plated satin finish, length 8".

No. 2115—Battery Pliers, 8" ..... **Price $0.80**
Weight, 8 oz.



No. 2115

Brake Pliers for Steeldraulic Brakes

Here is a plier that is a real time and trouble saver. Shaped to get a positive grip on the knurled adjusting nut on steel draulic brakes used on a large portion of the popular cars. Attractive satin finish with highly polished head. Length 5½".

No. 2120—Brake Pliers for Steeldraulic Brakes ..... **Price $1.05**
Weight, 6 oz.

No. 2120

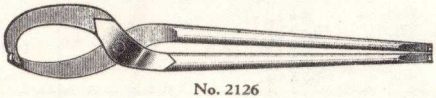
Brake Spring Pliers

A tool that simplifies the removal and replacement of brake shoe springs. The pointed beak of one jaw holds on to the lined shoe while the other jaw with the hook draws the spring into position. The notched ends of the handles can be used on the upright spring to get a positive hold. Satin nickel finish with polished head.

No. 2125—Brake Spring Pliers, 5½" long ..... **Price $0.95**
Weight, 10 oz.

No. 2126—Heavy Duty Brake Spring Pliers, 13½" long. ..... **Price $1.60**
Weight, 1½ lbs.

No. 2125



No. 2126

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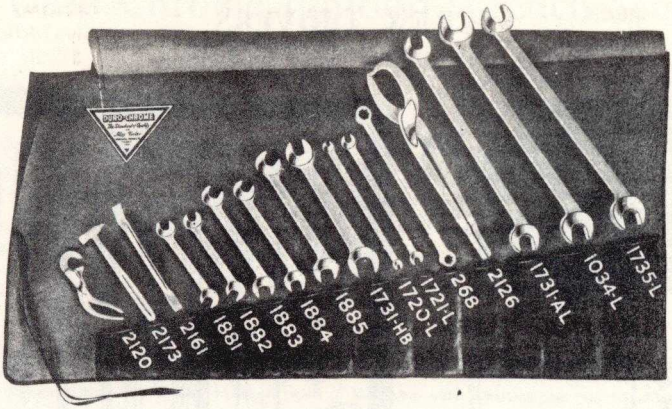
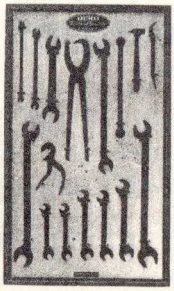
Brake Service Tools and Sets



The sixteen tools illustrated above and described below have been especially designed and selected for servicing practically all brakes both internal and external. These tools are all typical Duro-Chrome construction with triple plating and combination polished and satin finish.

No.	Description	Remarks	Weight Each	Price
2120	Brake Pliers for Steeldraulic Brakes		5 ozs.	$1.05
2173	Hammer Head Offset Screw Driver		8 ozs.	.60
2161	Star Nut Brake Tool		5 ozs.	.40
1881	9/16" x 9/16" Spec. Angle Open End Wrench	Angles are 22½° and 60° and especially adapted to reach hard to get at places. Slender oval heads — Drop Forged Chromium Vanadium—Duro-Chrome quality and finish.	3 ozs.	.50
1882	5/8" x 5/8" " " " " "		3 ozs.	.50
1883	11/16" x 11/16" " " " " "		5 ozs.	.65
1884	3/4" x 3/4" " " " " "		6 ozs.	.65
1885	7/8" x 7/8" " " " " "		7 ozs.	.75
1732HB	3/4" x 1 1/16" Open End Wrench	The two openings for hydraulic brake service.	12 ozs.	.80
1720L	3/16" x 1/4" Eccentric Brake Wrench	The four sizes of openings in these two wrenches are necessary for adjusting Bendix Brake Eccentrics.	4 ozs.	.65
1721L	5/16" x 3/8" " " "		4 ozs.	.65
268	Ford A-B-V8 Brake Adjusting Wrench		10 ozs.	.60
2126	Heavy Duty Brake Spring Pliers, 13½"		1¼ lbs.	1.60
1731AL	3/4" x 7/8" Extra Long Open End Wrench	Long type heavy duty Open End Wrenches for the difficult adjustments found on nearly every brake job. Duro-Chrome quality—design and finish.	1 lb.	1.30
1034AL	13/16" x 1 1/16" " " " " "		1½ lbs.	1.40
1735L	1" x 1⅛" " " " " "		1½ lbs.	1.40



No. BSS16—Set of 16 Wrenches described above, in roll . . . . . Price $14.25

Shipping Weight, 12½ lbs.

No. BSS16F—Same Set as above, not in roll but in carton . . . . . Price 13.45

Shipping Weight, 11¾ lbs.

No. BSS16SB—The same Set as above, on a substantial shadow board, 19"x31", for hanging in shop, as illustrated . . . . . Price 17.65

Shipping Weight, 25 lbs.

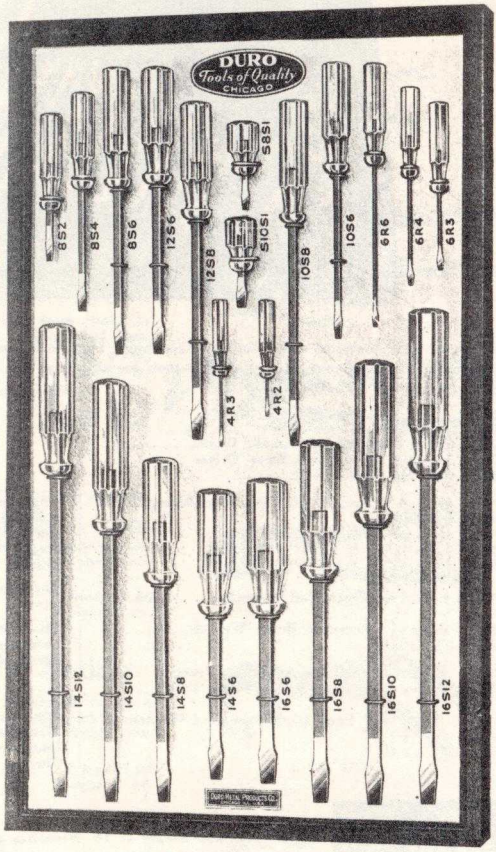
Fully guaranteed as to material and workmanship

Printed in U.S.A.

DuroLite
SCREW DRIVERS

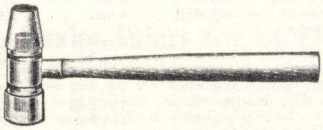
The display board shown on this page comprises a representative assortment of the most popular sizes of screw drivers securely held by hooks which allow convenient removing and replacing of all screw drivers. The amber colored, transparent handles with duplex satin nickel finished blades and ground, bright tips on crackled, dark gold colored background make a striking, attractive display. Numbered buttons next to the screw drivers make identification easy. The board is 19" wide and 31" high and can be furnished either in easel or hanger type. There is no charge for this display board if ordered with assortment of screw drivers listed below.

Number	Dimensions		Price Each.
4R2	1/8"x 2"	Round Blade	$0.25
4R3	1/8"x 3"	"	.30
6R3	3/16"x 3"	"	.35
6R4	3/16"x 4"	"	.40
6R6	3/16"x 6"	"	.45
S8S1	3/4"x 1"	Square Blade	.50
8S2	1/4"x 2"	"	.55
8S4	1/4"x 4"	"	.55
8S6	1/4"x 6"	"	.65
S10S1	5/8"x 1"	"	.55
10S6	5/16"x 6"	"	.75
10S8	5/16"x 8"	"	.80
12S6	3/8"x 6"	"	1.00
12S8	3/8"x 8"	"	1.00
14S6	7/16"x 6"	"	1.20
14S8	7/16"x 8"	"	1.25
14S10	7/16"x10"	"	1.50
14S12	7/16"x12"	"	1.55
16S6	1/2"x 6"	"	1.60
16S8	1/2"x 8"	"	1.65
16S10	1/2"x10"	"	1.85
16S12	1/2"x12"	"	1.90



No. DL-DB36 Display Board

DuroLite Hammers



The three DuroLite Hammers listed below have replaceable DuroLite faces. Especially adapted for fitting wrist pins, bearings, gears, piston pins, etc., also adapted for body and fender work where it is desirable to maintain the original finish. Body carefully machined with high grade hickory handle.

				DuroLite Replacement Heads			
No.	Length	Weight	Price Hammer Complete	No. Regular Head	Price	No. Taper Head	Price
1531	9"	5 oz.	$0.85	1531A	$0.25	1531B	$0.25
1533	10½"	8 oz.	.95	1533A	.25	1533B	.30
1534	12"	12 oz.	1.05	1534A	.30	1534B	.35

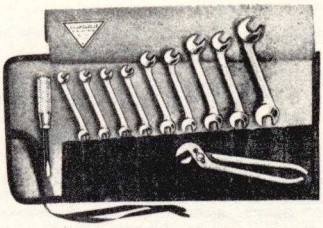
Fully guaranteed as to material and workmanship

Printed in U.S.A.

Duro-Chrome Ignition Wrench Sets

11 Piece Ignition Set

The nine Drop Forged Chrome Vanadium Steel Ignition Wrenches as described below together with No. 2110 Ignition Pliers and No. 182 Duro-Lite Screw Driver have been combined in this set to make a combination which every mechanic will appreciate. The roll is substantially made of two-toned, self-lined leatherette.

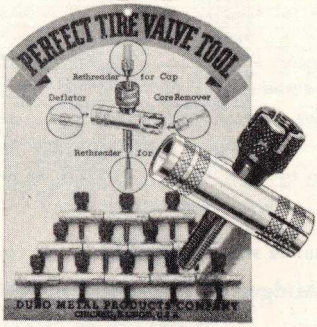


No. 1711.—11 Piece Ignition Set in roll. *Shipping Wt., 1 lb.* . . . . . **Price $4.45**

No. 1709.—9 Piece Ignition Set in roll. (As illustrated, but without Ignition Pliers and Screw Driver.) *Shipping Wt., 1 lb.* . . . . . **Price $3.45**

No. 1707.—7 Piece Ignition Set, similar to above with 7 Wrenches only, omitting the two large wrenches. **Price $2.60**

Perfect Tire Valve Tool



A substantial four-in-one tool for removing and replacing tire valve cores, deflating tires, rethreading the inside and outside of the valve stem. The core remover has a very convenient guide which slips over the valve stem, while the deflator end of our tool will clamp on the stem to release the air. The rethreaders are made from high grade, tempered steel. Put up 12 on display card, 3 cards to the carton.

Shipping Weight, 1 lb.

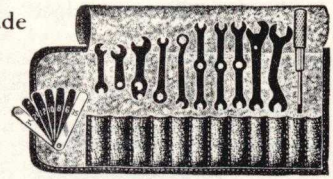
No. 780—Perfect Tire Valve Tool . . . Price, each $0.25

Perfect Tire Deflator and Valve Tool

This tool is designed especially to carry in the pocket for deflating tires and removing or replacing valve cores. Comes 12 tools on attractive card similar to display shown above.

No. 779—Perfect Tire Deflator and Valve Tool. Price, each $0.15

High Grade Ignition Set



This 12 piece set is contained in an attractive substantial leatherette case with snap. It has a 6 blade thickness gauge, high grade insulated handle screw driver and ten tempered and hardened wrenches in gun metal finish. Will take care of practically all ignition systems as well as generator adjustments. *Shipping Weight, 6 ozs.*

No. 290—12 Piece Ignition Set . . . . . Price $0.75

Midget Ignition Screw Driver

Counter Display Card with one dozen 1/8"x1 7/8" Midget Screw Drivers with Pocket Clips. To sell for 25c each. Attractive 3 color cardboard display with reinforced hole to hang on hook and with easel for counter display. Size 8½"x11". 6 Cards packed to standard box.

Shipping Weight per Standard Box, 3 lbs.

No. 182—Midget Ignition Screw Driver. Price, each $0.20

Fully guaranteed as to material and workmanship

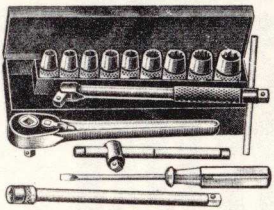
Printed in U.S.A.

QUALITY PRODUCTS

DURO-CHROME

"Midget" Socket Sets—Parts and Fittings

1/4" Square Drive



The "Midget" series of sets, parts and fittings are all the name implies. They are small, well proportioned with 1/4" square drive and are especially designed for use on magnetos, generators, starters, carburetors, radio, electrical work and many other uses that the larger tools will not handle. Made from special chrome alloy steels, triple plated and polished. The four sets described below offer a selection where only essentials can be purchased and later other parts added. These sets are as follows:

14 Piece "Midget" Set

1/4" 12 Pt. Hex. Socket
3/32" " " " "
5/64" " " " "
11/64" " " " "
3/16" " " " "
7/64" " " " "
Flex. Head Handle

1/4" 8 Pt. Sq. Socket
5/64" " " " "
3/16" " " " "
6" Extension Adaptor
Slide T Handle
Reversible Ratchet
4R3 Duro-Lite Screw Driver

Shipping Weight, 2 lbs.

No. 4504—14 Piece "Midget" Set..... Price $5.00

13 Piece "Midget" Set

1/4" 12 Pt. Hex. Socket
3/32" " " " "
5/64" " " " "
11/64" " " " "
3/16" " " " "
7/64" " " " "
Flex. Head Handle

1/4" 8 Pt. Sq. Socket
5/64" " " " "
3/16" " " " "
6" Extension Adaptor
Slide T Handle
4R3 Duro-Lite Screw Driver

Shipping Weight, 1 1/3 lbs.

No. 4503—13 Piece "Midget" Set..... Price $3.50

10 Piece "Midget" Set

1/4" 12 Pt. Hex. Socket
3/32" " " " "
5/64" " " " "
11/64" " " " "
3/16" " " " "
7/64" " " " "

1/4" 8 Pt. Sq. Socket
5/64" " " " "
3/16" " " " "
Flex. Head Handle

Shipping Weight, 1 1/4 lbs.

No. 4502—10 Piece "Midget" Set..... Price $2.10

9 Piece "Midget" Set

1/4" 12 Pt. Hex. Socket
3/32" " " " "
5/64" " " " "
11/64" " " " "
3/16" " " " "

7/64" 12 Pt. Hex. Socket
1/4" 8 Pt. Sq. Socket
5/64" " " " "
3/16" " " " "

Shipping Weight, 1 lb.

No. 4501—9 Piece "Midget" Set..... Price $1.50

"Midget" 12 Point Hexagon Sockets

1/4" Square Drive

No.	Size	Price
4508	1/4"	$0.15
4509	3/32"	.15
4510	5/64"	.15
4511	11/64"	.15
4512	3/16"	.15
4514	7/64"	.15

"Midget" 8 Point Square Sockets

1/4" Square Drive

No.	Size	Price
4508S	1/4"	$0.15
4510S	5/64"	.15
4512S	3/16"	.15

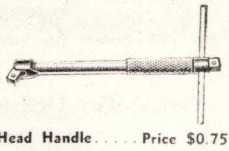
"Midget" Ratchet

A very high grade drop forged reversible ratchet with 1/4" square drive. Made under an exclusive patent with no bolts or rivets. 5" long.

No. 4487 1/4—"Midget" Ratchet..... Price $1.50

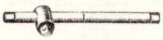
"Midget" Flexible Head Handle

With cross bar so it can be used either as an offset or "T" handle. Also has 1/4" square drive in both ends and can be used with ratchet as an extension. 6 1/2" long. *Weight, 1/2 lb.*



No. 4550—"Midget" Flex. Head Handle..... Price $0.75

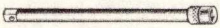
"Midget" Slide Tee Handle



Can be used either with or without the extension adaptor shown to right and makes a handle that can be used in nearly any position. 4 1/2" long. *Weight, 1/4 lb.*

No. 4535—"Midget" Slide "T" Handle..... Price $0.65

"Midget" 6" Extension



This 6" extension adaptor provides an extension to be used with either the ratchet, flexible head handle or the slide "T" handle. 6" long.

No. 4533—"Midget" 6" Extension. *Wt. 1/4 lb.*.. **Price $0.45**

Fully guaranteed as to material and workmanship

Printed in U.S.A.

QUALITY "PRODUCTS"

DURO-CHROME

"Cub" Speedster Parts and Fittings

3/8" Square Drive

These parts have been especially designed for fast work on the most difficult operations. They are *Duro-Chrome* standard quality of best chrome alloy steels selected for maximum tensil strength for the tool in which they are being used. They are light weight.

"Cub" Sockets

A thin wall, light weight socket with accurate broaching that assures positive grip. Triple plated, full polished satin finish. 6 sockets to a carton.

These thin wall, though extremely tough Universal Joint Sockets are designed for fast work in difficult to reach places. Triple plated, full polished satin finish. 6 sockets to a carton.

No.	Price	Twin Hex. Socket Size	No.	Price
4412	$0.20	3/8"	4412UV	$1.05
4414	.20	7/16"	4414UV	1.05
4416	.20	1/2"	4416UV	1.05
4418	.20	9/16"	4418UV	1.05
4420	20	5/8"	4420UV	1.05
4422	.25	11/16"	4422UV	1.05
4424	.25	3/4"	4424UV	1.05
		8 Point		
4412S	.20	3/8"		
4414S	.20	7/16"		
4416S	.20	1/2"		

"Cub" Universal Joint

A short three piece universal with 3/8" square male and female connections. *Shipping Weight, 4 oz.*

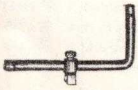
No. 4497—"Cub" Universal Joint . . . . . Price $1.00

"Cub" Adaptors

These handy adaptors, when used with the ratchet or other fittings on this page, permit the use of "Midget" (1/4" Sq. Drive) or Standard (1/2" Sq. Drive) sockets in addition to the series shown above.

No. 4493—3/8"x1/4" Reducing Adaptor . . . . . Price $0.25
No. 693D—3/8"x1/2" Increasing Adaptor . . . . Price .40

"Cub" Speedster Slide Tee Offset Handle



The slide head together with the offset handle makes a combination that will be found convenient and fast.

Shipping Weight, 1/2 lb.

No. 4482—"Cub" Speedster Slide Tee . . . . . Price $0.60

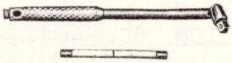
"Cub" Reversible Ratchet

The most efficient and dependable tool for work in a minimum of space, due to the easy spring action of the ratchet gears and the extremely flat and narrow shape of head. Light thumb pressure on easily accessible switch will instantly reverse ratchet action.

Fully drop forged handle, 6" overall, adaptor in head has both female as well as male end. Bright satin finish with polished head. *Weight, 1/2 lb.*

No. 4487—"Cub" Reversible Ratchet . . . . . Price $1.50

"Cub" Flexible Swing Head Handle



A convenient and efficient tool, popular with every mechanic. It has a spring friction radius regulator in swivel head. Length overall 10". Triple plated satin finish, polished head.

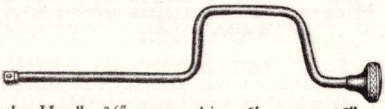
Shipping Weight, 1 lb.

No. 4481—"Cub" Flexible Head Handle . . . . Price $1.15

To turn the above tool into a "T" Handle, we furnish a 5 1/2" Slide Bar.

No. 4480—Slide Bar . . . . . Price $0.10

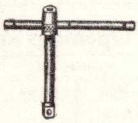
"Cub" Speeder Handle



Speeder Handle 3/8" square drive, 6' sweep, 16" overall with rotating knob handle. *Shipping Weight, 1 lb.*

No. 4485—"Cub" Speeder Handle . . . . . Price $0.75

"Cub" Slide Tee Extension Handle



This handle is furnished in two lengths with a removable 5 1/2" slide bar. All can be used as extension adaptors with our ratchet or any other handle having 3/8" square drive.

No. 4483—9 1/2" Slide Tee Extension Handle.
Shipping Weight, 3/4 lb. . . . . . **Price $0.55**
No. 4484—4 1/2" Slide Tee Extension Handle.
Shipping Weight, 1/2 lb. . . . . . **Price $0.45**
No. 4432—4 1/2" Extension Adaptor without slide bar.
Shipping Weight, 6 oz. . . . . . **Price $0.35**

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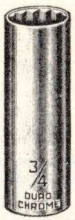
QUALITY PRODUCTS

SOCKETS

1/2" Square Drive



DURO-CHROME

Extra Deep Thin Wall Sockets

3¼" long overall. Among their many uses such as for work on shackle bolts, etc., these sockets will get at any spark plug, no matter what size or location. Triple plated finish with polished ends.

No.	Price
1416	$0.55
1418	.55
1420	.55
1422	.60
1424	.60
1425	.60
1426	.60
1427 (14 mm.)	.60
1428	.65
1429 (18 mm.)	.65
1430	.70
1432	.75
1434	.80
1436	.90
1440	.95

DURO-CHROME

Deep, Straight Side, Thin Wall Sockets

A perfect socket where only the minimum of clearance is available, although the maximum of strength and toughness is expected. Triple plated, full polished finish. 6 sockets to a carton.

No.	Price
1114	$0.25
1116	.25
1118	.30
1119	.30
1120	.35
1121	.35
1122	.35
1124	.40
1125	.40
1126	.40
1128	.40
1130	.40

DURO-CHROME

Long Tapered Thin Nose Sockets

Designed as an all-purpose tool for the mechanic who requires maximum strength and utility. Accurate broachings assure positive grip. Attractive highly polished triple plated finish. Packed 6 sockets to a carton.

No.	Price
1614	$0.25
1616	.25
1618	.30
1619	.30
1620	.35
1621	.35
1622	.35
1624	.40
1625	.40
1626	.40
1628	.40
1630	.40
1631	.40
1632	.50
1634	.50
1636	.60
1640	.60

CHROME

Vanadium Steel Standard Sockets

An all-around socket of the highest tensile strength and quality, designed to sell at a price. Comparable with the best grade tools on the market. Bright satin triple plated finish with polished nose. 6 sockets to a carton.

No.	Price
1210	$0.20
1211	.20
1212	.20
1214	.20
1216	.20
1217	.25
1218	.25
1219	.25
1220	.30
1221	.30
1222	.30
1223	.30
1224	.30
1225	.30
1226	.30
1228	.30
1230	.30
1231	.30
1232	.40
1234	.40
1236	.45
1238	.45
1240	.45

Twin Hex Socket Size	No.	Price	No.	Price
5/16"			1210	$0.20
11/32"			1211	.20
3/8"			1212	.20
7/16"	1614	$0.25	1214	.20
1/2"	1616	.25	1216	.20
17/32"			1217	.25
9/16"	1618	.30	1218	.25
19/32"	1619	.30	1219	.25
5/8"	1620	.35	1220	.30
21/32"	1621	.35	1221	.30
11/16"	1622	.35	1222	.30
23/32"			1223	.30
3/4"	1624	.40	1224	.30
25/32"	1625	.40	1225	.30
13/16"	1626	.40	1226	.30
27/32"				
7/8"	1628	.40	1228	.30
29/32"				
15/16"	1630	.40	1230	.30
31/32"	1631	.40	1231	.30
1"	1632	.50	1232	.40
1 1/16"	1634	.50	1234	.40
1 1/8"	1636	.60	1236	.45
1 3/16"			1238	.45
1 1/4"	1640	.60	1240	.45
Square				
5/16"			1210S	.25
3/8"			1212S	.25
7/16"			1214S	.25
1/2"	1616S	.30	1216S	.25
9/16"	1618S	.30	1218S	.30
5/8"	1620S	.35	1220S	.30
11/16"			1222S	.30
3/4"			1224S	.30
7/8"			1228S	.40

Chart of Wrench and Socket Openings and Sizes of Bolts and Nuts They Will Take

Opening	S.A.E. Std. Screws & Nuts	U. S. Std. Nuts	U. S. Std. Cap Screws	American Std. Nuts	American Std. Screws
1/4"				No. 4	
9/32"					
5/16"		1/8	1/8	Nos. 5 & 6	
11/32"				No. 8	
3/8"			3/16	No. 10	
7/16"	1/4		1/4	1/4	1/4
1/2"	5/16	1/4	5/16	5/16	5/16
9/16"	3/8		3/8		
5/8"		5/16		3/8	3/8
11/16"	7/16	3/8	7/16	7/16	7/16
3/4"					
13/16"					
7/8"					
15/16"					
1"					
1 1/16"					
1 1/8"					
1 3/16"					
1 1/4"					

Opening	S.A.E. Std. Screws & Nuts	U. S. Std. Nuts	U. S. Std. Cap Screws	American Std. Nuts	American Std. Screws
3/4"	1/2		1/2	7/16	1/2
13/16"		7/16			
7/8"			5/8	1/2	5/8
15/16"	9/16	1/2		9/16	5/8
1"	5/8			5/8	
1 1/16"		9/16			
1 1/8"	11/16		3/4		3/4
1 3/16"					
1 1/4"	3/4	5/8		3/4	7/8
1 5/16"			7/8		
1 3/8"					
1 1/4"	7/8	3/4	1		

Fully guaranteed as to material and workmanship

Printed in U.S.A.

QUALITY PRODUCTS

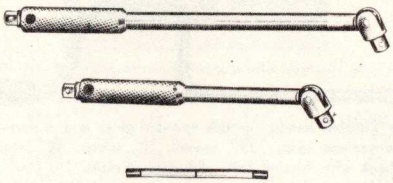
DURO-CHROME

Handles and Fittings

1/2" Square Drive.

The fittings and handles listed below are of standard DURO-CHROME quality and are of the highest standard of both quality and workmanship. They are Triple Plated and Rust Proof with bright satin finish and polished ends and faces. All are for use with standard 1/2" square sockets and fittings.

Flexible Swing Head Handles



With Spring Friction Radius Regulator in Swivel Head

This type handle is one of the most popular tools with the mechanic as it adapts itself to practically any position and can also be used as an extension with a ratchet handle.

No. 667D—14" Flexible Head Handle. *Shipping Weight, 1¾ lbs.* ..... **Price $1.60**

No. 666D—10" Flexible Head Handle. *Shipping Weight, 1¼ lbs.* ..... **Price $1.50**

To turn the above tools into T-Handles, we furnish a 9" Slide Bar of 3/8" stock.

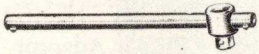
No. 668D—Slide Bar ..... **Price $0.15**

Offset Handle

Our Solid Head Offset Handle is a powerful all purpose tool. 10" overall. *Shipping Weight, 1½ lbs.*

No. 662D—Solid Head Offset Handle ..... **Price $1.10**

Slide Tee Handle



The Slide Head Offset Handle is one of the most convenient tools in a mechanic's kit. By sliding the head along the 9/16"x10" bar, it can be used as "T" or "L" Handle, with or without extension adaptors shown on this page. Spring friction ball in head holds it in any position.

Shipping Weight, 1 lb.

No. 663D—Slide Head Offset Handle ..... **Price $0.70**

Reversible Ratchet

The design of this chrome alloy ratchet makes it the most versatile and time saving tool on the market. Can be operated in a minimum of space, due to the easy spring action of the ratchet gears and the extremely flat and narrow shape of head. Light thumb pressure on easily accessible switch will instantly reverse ratchet action. Fully drop forged handle of selected steel, 9½" long. Adaptor in head has both female as well as male ends.

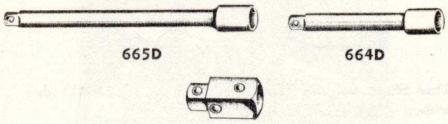
No. 678D—Reversible Ratchet Handle ..... **Price $2.00**

The same Ratchet Handle as described above; however, without the reversible feature and with ½" square opening in head.

Shipping Weight, 1¼ lbs.

No. 677D—Ratchet Handle ..... **Price $1.50**

Extension Adaptors



These adaptors are for convenience and can be used with all of the handles illustrated and enable the mechanic to reach places quite difficult with the standard handles. The reducing and increasing adaptors also make it very convenient to use our "Cub" or Heavy Duty Sockets.

No. 582D— 3" Ext. Adaptor. *Wt., 5 ozs.* ..... **Price $0.40**

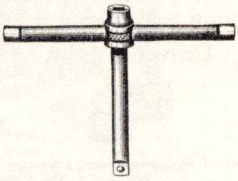
No. 664D— 6" Ext. Adaptor. *Wt., 9 ozs.* ..... **Price .40**

No. 665D—10" Ext. Adaptor. *Wt., 1 lb.* ..... **Price .50**

No. 693D—½"x3/8" Reducing Adaptor. *Wt., ½ oz.* ..... **Price .40**

No. 4293—½"x¾" Increasing Adaptor. *Wt., 1 oz.* ..... **Price .50**

Slide Tee Extension Handle



This handle is furnished in two lengths with a removable 10" slide bar.

No. 580D—Slide Tee Extension Handle, 11½".
Shipping Weight, 2 lbs. ..... **Price $1.50**

No. 581D—Slide Tee Extension Handle, 7½".
Shipping Weight, 1¾ lbs. ..... **Price $1.35**

Fully guaranteed as to material and workmanship

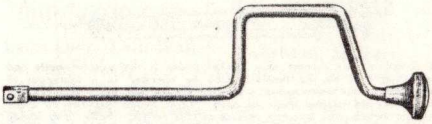
Printed in U.S.A.

QUALITY PRODUCTS

DURO-CHROME
Handles and Fittings

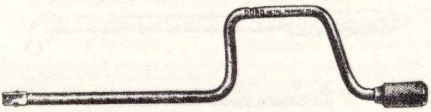
The fittings and handles listed below are of standard DURO-CHROME quality and are of the highest standard of both quality and workmanship. They are Triple Plated and Rust Proof with bright satin finish and polished ends and faces. All are for use with standard ½" square sockets and fittings.

SPEEDER HANDLES



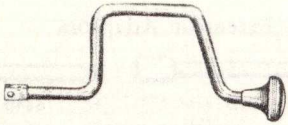
This speeder has comfortable bulb type handle. 18" overall, 8" sweep, ½" square shank fitted with friction ball. *Shipping Weight, 2 lbs.*

No. 651D—Long Speeder Handle . . . . . Price $0.95



A knurled handle on this speeder gives it a slip-proof, convenient grip. 19" overall, 8" sweep, ½" square shank with friction ball. *Shipping Weight, 1¾ lbs.*

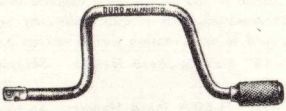
No. 651DK—Long Speeder Handle . . . . . Price $0.60



This Short Speeder Handle is same as No. 651D described above except it is 12" overall.

Shipping Weight, 1½ lbs.

No. 652D—Short Speeder Handle . . . . . Price $0.85

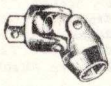


This Short Speeder Handle is the same as No. 651DK described above except it is 12" overall.

Shipping Weight, 1½ lbs.

No. 652DK—Short Speeder Handle . . . . . Price $0.50

Universal Joint Adaptor



An extremely strong, 3 piece universal joint adaptor with special spring friction radius regulator that will hold either end at any angle. The male and female ends are designed to be used with standard ½" square fittings and handles.

Shipping Weight, 8 ozs.

No. 588D—Universal Joint Adaptor . . . . . Price $0.70

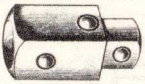
Universal Joint

The construction of this three piece universal is such as to give maximum strength and utility. Designed to be used with standard ½' square fittings and handles.

Shipping Weight, 6 ozs.

No. 696D—Special Alloy Universal Joint . . . . Price $0.50

Extension Adaptors



No. 4293

No. 693D

No. 692D

With the above range of square adaptors, which are fitted with two friction balls and made of special alloy-steel, it is possible to use the fittings shown on this page with either our "Cub" or "Heavy Duty" sockets. This enables the mechanic to use a most complete range of sizes and types of sockets for hard-to-get-at and particular jobs.

No. 692D—½" Short Square Adaptor . . . . Price $0.20
No. 693D—½"x⅜" Reducing Adaptor . . . Price .40
No. 4293—½"x¾" Increasing Adaptor . . . Price .50

Shipping Weight, 1 oz. to 4 ozs.

Screw Driver Adaptor

Special Alloy Tool Steel screw driver adaptor is especially designed for use on drag link adjustments and similar operations. 1 1/16" overall, standard ½" square with friction balls on both ends. *Shipping Weight, 1 oz.*

No. 1302D—Square Screw Driver Adaptor . . . Price $0.30

Fully guaranteed as to material and workmanship

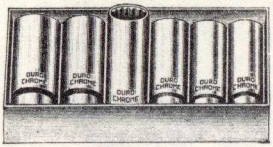
Printed in U.S.A.

WRENCH SETS

½″ Square Drive

DURO-CHROME

Spark Plug Socket Set



Set No. 14006 contains the following popular assortment of sockets:

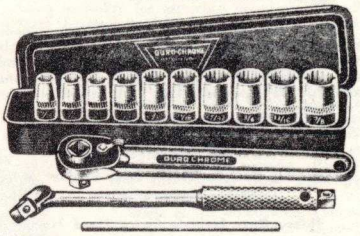
Socket No.	Socket Size	Max. Diam.	Price
1427	*$\frac{23}{32}$	1 $\frac{1}{16}$	$0.60
1428	⅞	1 $\frac{3}{16}$	.65
1429	**$\frac{29}{32}$	1⅛	.65
1430	$\frac{15}{16}$	1¼	.70
1432	1	1 $\frac{5}{16}$	.75
1436	1⅛	1½	.90

*For 14 m/m Spark Plug. **For 18 m/m Spark Plug.

No. 14006—6 Piece Spark Plug Socket set consisting of the six sockets described above . . . . . Price $3.70

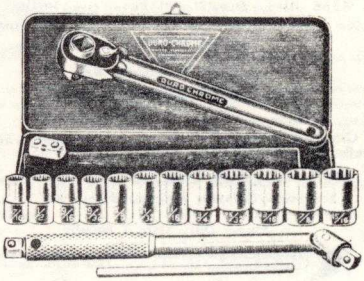
DURO-CHROME

12 Piece Set



No. DC12—Wrench Set . . . . . Price $6.45

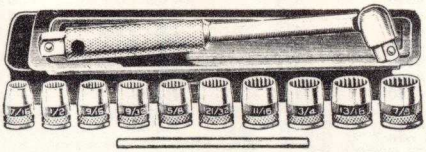
15 Piece Straight Wall Socket Set



No. 1115—Wrench Set . . . . . Price $7.95

11 Piece Set

CHROME VANADIUM STEEL



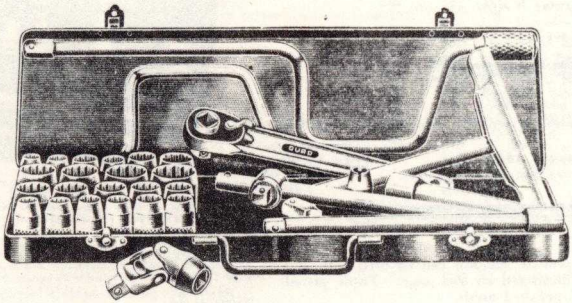
No. CVS11—11 Piece Socket Wrench Set . . . . Price $4.20

32 Piece Set

CHROME

VANADIUM

STEEL



½″ Square Drive

No. CVS32—32 Piece Chrome Vanadium Steel Socket Set . . . . . Price $12.35

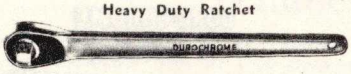
Fully guaranteed as to material and workmanship

Printed in U.S.A.

Heavy Duty Sockets and Fittings

3/4" Square Drive

Heavy Duty Ratchet

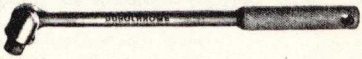


This Heavy Duty 18" Drop Forged Ratchet is made under our exclusive patents and construction is such that there are no rivets to shear and it will stand heavy use and abuse without damaging any part. Typical Duro-Chrome triple plated finish with polished end. Furnished complete with plug as illustrated.

No. 4276—Heavy Duty Ratchet ..... **Price $5.25**
Shipping Weight, 3½ lbs.

No. 4292—Plug Only for Heavy Duty Ratchet. Price $0.50
Shipping Weight, 6 ozs.

Heavy Duty Flexible Swing Head Handle



One of the most popular type handles with the mechanic. 19" long. Triple plated in combination polished and satin finish.

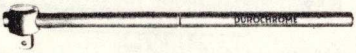
No. 4266—Heavy Duty Flexible Swing Head Handle
..... **Price $3.75**
Shipping Weight, 4½ lbs.

Heavy Duty Cross Bar

12" Cross Bar, designed to be used with Flexible Swing Head Handle illustrated above.

No. 4267—Heavy Duty Cross Bar ..... **Price $0.65**
Shipping Weight, 14 ozs.

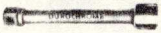
Heavy Duty Slide T Handle



This handle is 18" long and offers a multitude of combinations with fittings and sockets so as to reach the most inaccessible places.

No. 4263—Slide T Handle ..... **Price $1.45**
Shipping Weight, 3¼ lbs.

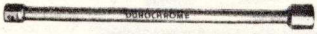
Heavy Duty Extensions



8"

Same type Combination Extension Adaptor as described below, only 8" long.

No. 4264—8" Extension Adaptor ..... **Price $0.90**
Shipping Weight, 1 lb., 3 ozs.



16"

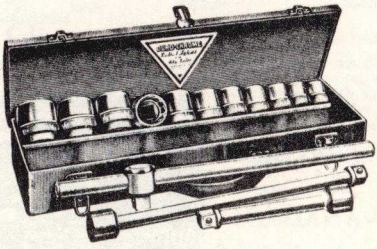
This Combination Extension Adaptor can be used with any of the other handles illustrated on this page. Triple plated combination satin and polished finish.

No. 4265—16" Extension Adaptor ..... **Price $1.15**
Shipping Weight, 2 lbs.

Heavy Duty Sockets

These Duro-Chrome Sockets are outstanding in their design as well as workmanship, and are thoroughly appreciated by the mechanic or anyone else who knows good tools. Have recessed drive ends which prevents sockets from falling off of fittings. Triple plated with satin and polished finish.

No.	Size	Weight Each	Price
4128	7/8"	4 ozs.	$0.45
4130	15/16"	5 ozs.	.50
4131	31/32"	6 ozs.	.50
4132	1"	7 ozs.	.50
4134	1 1/16"	8 ozs.	.55
4136	1 1/8"	9 ozs.	.60
4138	1 3/16"	10 ozs.	.70
4140	1 1/4"	11 ozs.	.70
4142	1 5/16"	13 ozs.	.70
4144	1 3/8"	14 ozs.	.85
4146	1 7/16"	15 ozs.	.95
4148	1 1/2"	1 lb.	1.00
4150	1 9/16"	1 lb. 2 ozs.	1.05
4152	1 5/8"	1 lb. 3 ozs.	1.05
4154	1 11/16"	1 lb. 7 ozs.	1.35
4156	1 3/4"	1 lb. 11 ozs.	1.45
4158	1 13/16"	1 lb. 14 ozs.	1.65
4160	1 7/8"	2¼ lbs.	1.65
4164	2"	2¾ lbs.	2.00
4170	2 3/16"	3¼ lbs.	2.95



A 14 piece set of tools constructed for extremely heavy duty work as on tractors, trucks, busses, farm and road machinery, in industrial and all heavy machinery plants.
Specially selected Chrome Alloy Steel, heavily plated and rust proof. Sockets have lock-on feature. Packed in heavy gauge steel box, 20"x2¼"x6¼" with strong hasps and handle. Contents as follows: 18" Slide T Handle, 16" Extension Adaptor, 8" Extension Adaptor, 7/8", 15/16", 31/32", 1", 1 1/16", 1 1/8", 1¼", 1 5/8", 1 7/16", 1½" and 1⅝" 12 Point Sockets. Weight 21 lbs.

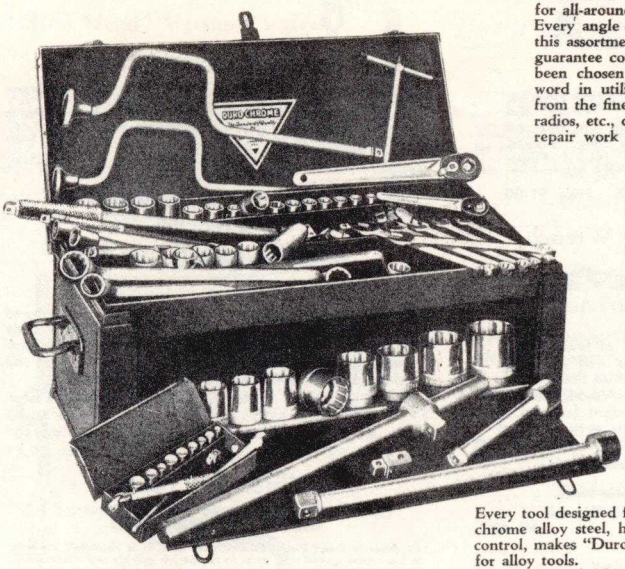
No. HD14—14 Piece Set ..... **Price $11.95**
No. HD14F—Above Set in Fibre Box ..... **Price 11.05**

Fully guaranteed as to material and workmanship

Printed in U.S.A.

QUALITY PRODUCTS

78 Piece Senior Duro-Chest



An ideal, well balanced combination assortment of all essential tools to completely equip the mechanic for all-around fast and efficient service.

Every angle of usefulness of each individual tool in this assortment has been thoroughly investigated to guarantee complete efficiency. These 78 tools have been chosen by us to give the mechanic the last word in utility for servicing practically everything from the finest work on ignition systems, generators, radios, etc., on to general automobile and aeroplane repair work including heavy duty work on trucks, busses, tractors, farm and road machinery as well as for industrial uses.

While our Senior Duro-Chest is small enough to be convenient and handy, there is ample room for additional tools and accessories. Roller skids under the box allow easy moving. Removable tray and hinged front panel permit ready access to contents.

Some of the outstanding features of our tools in the Senior Duro-Chest deserve special mention, such as:

Standard and "Cub" Reversible Ratchets.
6 of the popular Combination Box and Open End Wrenches.
A complete set of 6 Extra Deep Thin Wall Sockets for Spark Plugs, Shackle Bolts, etc.
Heavy Duty Giant Sockets with Lock-On feature.
All tools interchangeable by use of Reducing Adaptors.

Every tool designed for fast and dependable work. Selected chrome alloy steel, hardened and tempered under scientific control, makes "Duro-Chrome" tools the standard of quality for alloy tools.

Duplex satin finish and highly polished ends on our tools furnish an unequalled eye-appeal that will make the mechanic a truly proud owner of our Senior Duro-Chest. More so if the surprisingly low price is considered.

The contents of the 23" x 8¾" x 10¼" Chest is as follows:—

STANDARD SERIES—½" SQ. DRIVE

No.	Description	List
1114	7/16" Straight, Thin Wall Socket	$0.25
1116	1/2" " " " "	.25
1118	9/16" " " " "	.30
1119	5/8" " " " "	.30
1120	11/16" " " " "	.35
1121	3/4" " " " "	.35
1122	13/16" " " " "	.35
1124	7/8" " " " "	.40
1125	15/16" Long Tapered Socket	.40
1626	15/16" " " "	.40
1628	7/8" " " "	.40
1630	13/16" " " "	.40
1631	3/4" " " "	.40
1632	11/16" " " "	.50
1616S	1/2" Square Tapered Socket	.30
1618S	9/16" " " "	.30
1620S	5/8" " " "	.35
1618-V8	9/16" Extra Thin Nose Socket for V8 Ford Connecting Rods	.40
1427	23/64" (14mm.) Extra Deep Thin Wall Spark Plug Socket	.60
1428	7/8" Extra Deep Thin Wall Spark Plug Socket	.65
1429	29/32" (18 mm.) Extra Deep Thin Wall Spark Plug Socket	.65
1430	15/16" Extra Deep Thin Wall Spark Plug Socket	.70
1432	1" Extra Deep Thin Wall Spark Plug Socket	.75
1436	1 1/8" Extra Deep Thin Wall Spark Plug Socket	.90
678D	Reversible Ratchet	$2.00
667D	14" Flex. Head Handle	1.60
668D	9" Cross Bar	.15
651D	18" Speeder Handle	.95
588D	Universal Joint Adaptor	.70
1302D	Screw Driver Adaptor	.30
664D	6" Extension Adaptor	.40
665D	10" " "	.50
693D	3/8" x 1/2" Reducing Adaptor	.40

HEAVY DUTY SERIES—¾" SQ. DRIVE

No.	Description	List
4134	1 1/16" Giant Socket	$0.55
4136	1 1/8" " "	.60
4140	1 1/4" " "	.70
4144	1 3/8" " "	.85
4146	1 7/16" " "	.95
4148	1 1/2" " "	1.00
4156	1 3/4" " "	1.45
4158	1 13/16" " "	1.65
4263	Giant Slide T Handle	1.45
4264	8" Giant Extension Adaptor	.90
4265	16" " " "	1.15
4293	1/2" x 3/4" Reducing Adaptor	.50

BOX END AND OPEN END WRENCHES

No.	Description	List
02031	3/8" Combination Box and Open End Wrench	$0.40
02032	7/16" "	.40
02033	1/2" "	.45
02034	9/16" "	.50
02035	5/8" "	.55
02036	11/16" Combination Box and Open End Wrench	$0.60
02054	3/4" x 3/8" Regular Long 45° Double Offset Box Wrench	.65
02055	13/16" x 7/8" " "	.75
02056	15/16" x 1" " "	.90

"CUB" SERIES—⅜" SQ. DRIVE

No.	Description	List
4412	3/8" Socket	$0.20
4414	7/16" "	.20
4416	1/2" "	.20
4418	9/16" "	.20
4420	5/8" "	.20
4432	4 1/2" Extension Adaptor	.35
4483	9 1/2" " "	.55
4493	1/4" x 3/8" Reducing Adaptor	.25
4480	5 1/2" Cross Bar	.10
4481	Flex. Head Handle	1.15
4485	16" Speeder Handle	.75
4487	Reversible Ratchet	1.50
4497	Universal Joint	1.00

SMALL SERIES—¼" SQ. DRIVE

No.	Description	List
4508	1/4" Socket	$0.15
4509	9/32" "	.15
4510	5/16" "	.15
4511	11/32" "	.15
4512	3/8" "	.15
4514	7/16" "	.15
4508S	1/4" Square Socket	.15
4510S	5/16" " "	.15
4512S	3/8" " "	.15
4550	Hex. Head Handle with Cross Bar	.75
4533	6" Extension Adaptor	.45

No. SC78—Senior Duro-Chest, Complete with 78 Tools **$55.75**

Shipping Weight, Complete, 60 lbs.

No. 801—Chest Only **12.50**

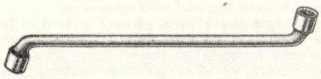
Shipping Weight, Chest only, 20 lbs.

Fully guaranteed as to material and workmanship

Printed in U.S.A.

Tools for Ford A, AA, B and V-8

Forged Main Bearing Wrench



Designed for convenient access to the main bearing bolt on Ford "A", "AA", "B", "BB", "V8-18" and "V8-40" cars. . $\frac{9}{16}$" 8 Point opening on one end and ¾" 12 Point opening on the other. 16" long. Forged from Chrome Vanadium steel, Satin Nickel Finish with polished ends. *Shipping Weight, 1¼ lbs.*

No. 269—Forged Main Bearing Wrench . . Price $1.00

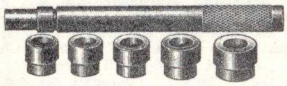
Forged Brake Adjusting Wrench

This drop forged wrench will take care of brake adjustments both on Ford passenger cars as well as trucks. Double square ½" and $\frac{7}{16}$" openings will fit Ford Models "A," "AA," "B," "BB," "V8-18" and "V8-40." Length of 11" provides this wrench with sufficient leverage to comfortably reach and adjust brake nuts even if rusted or frozen. *Shipping Weight, 1 lb.*

No. 268—Forged Chrome Vanadium Brake Adjusting Wrench. Price $0.60
Attractive satin nickel finish with polished heads.

No. 267—Forged Carbon Steel Adjusting Wrench. Price $0.40
Cadmium plated finish.

Bushing Punch Set



This set is made from special analysis steel, heat treated and hardened. For easily removing and replacing bushings without damage. Set comes complete with punch, 7½" long, $\frac{23}{32}$" diameter and nose $\frac{9}{16}$" diameter and the five bushings listed below in carton.

No. 160—Set with 5 Bushings . . . . . Price $1.00
Shipping Weight, 1½ lbs.

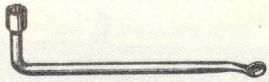
Inserts for Bushing Set

Additional bushings for set described above can be furnished (see illustration for explanation of diameters). Dimension "A" is approximately .01 undersize.

No.	Diameter A	Diameter B	Length	Price
161-23*	23/32"	27/32"	7/8"	$0.15
161-24	3/4"	7/8"	7/8"	.15
161-25**	25/32"	15/16"	7/8"	.15
161-28	7/8"	1"	7/8"	.15
161-32	1"	1-1/8"	7/8"	.15

***Fits Chevrolet and Pontiac 1927-34.**
****Fits Ford A, B, and V8.**

Head and Manifold Wrench



The special shape and construction of this wrench enables convenient access to all head bolts and manifold nuts on Ford Models "A", "AA", "B", "BB", "V8-18" and "V8-40". Drop forged from Chrome Vanadium Steel, a $\frac{11}{16}$" 12 Point socket opening on one side and $\frac{11}{16}$" 12 Point box opening on the other. Length, 15". Satin nickel finish with polished ends. *Shipping Weight, 1 lb.*

No. 273—Head and Manifold Wrench. Price $1.10

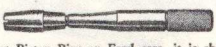
12 Point Connecting Rod Wrenches

These 12 point double hexagon wrenches are designed for convenient use on connecting rods. Head is made of chrome alloy steel, *heat treated, tempered and hardened,* handle ½" cold rolled steel, cadmium plated and offset for convenient use. *Shipping Weight, 1 lb.*

No. 615—21/32" double hex. for Fords 1929 and later. . . . . Price $0.40

No. 617—9/16" double hex for "V8-18 and V8-40" Fords . . . . . Price $0.45

Piston Pin Tools



To properly insert Piston Pins on Ford cars, it is absolutely necessary to have some special tool, so as to do the job quickly and conveniently. Heat treated, tempered and hardened. Blue mottled finish, with polished ends. *Shipping Weight, 2 lbs.*

No. 276-AB—Piston Pin Tool for Model "A" and "B" Ford. Price $0.85

No. 276-V8—Piston Pin Tool for Ford "V8-18" and "V8-40". Price $0.85
Shipping Weight, 1 lb.

Ford Crankshaft Ratchet Nut Wrench

A drop forged chrome vanadium steel wrench with 12 point 1⅜" hexagon opening, 6⅝" long, triple plated. The cross member holds the wrench and all that is necessary is to step on starter to remove the crankshaft ratchet nut.

No. 282—Crankshaft Nut Wrench . . . . . Price $0.85
Shipping Weight, 1 lb.

Special Socket for V-8 Connecting Rod

On account of restricted space the nose of this socket is tapered down smaller than good engineering design permits. It is 12 point, ½" sq. drive and made of best chrome alloy steel but on account of special design it is not guaranteed.

No. 1618-V8—Special V8 Socket. Price $0.40

Fully guaranteed as to material and workmanship

Printed in U. S. A.

Ford A, AA, B and V-8 Tools and Accessories

"Red Head" Vacuum Valve Grinder

This vacuum type Valve Grinder has a rotating guard and pressure plate that allows the operator to apply more pressure, thereby doing faster and better work as well as protecting the hands from coming in contact with the studs.

Shipping Weight, 7 oz.

No. 703—"Red Head" Vacuum Valve Grinder. Price, each $0.30

Valve Bushing Punch

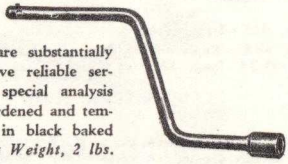
Designed for driving out valve stem bushings on Ford cars. Made of special analysis steel, heat treated and hardened.

Shipping Weight, 8 ozs.

No. 270-AB—Valve Bushing Punch for Model "A" and "B" Fords. Price $0.35

No. 270-V8—Valve Bushing Punch for "V8-18" and "V8-40" Fords. Price $0.35

Crank Handle and Rim Wrench



These wrenches are substantially constructed to give reliable service. Made of special analysis steel, properly hardened and tempered. Finished in black baked enamel. *Shipping Weight, 2 lbs.*

No. 604—Model "A" Ford Crank Handle and Rim Wrench ..... Price $0.35

Ford "A", "B" and "V8" Valve Guide and Spring

This ingenious device solves the problem for a valve guide as well as relief spring when grinding valves on Ford Cars. One style is for models "A" and "B" while the other style is for all "V8."

No. 200AB—Guide for Ford "A" and "B" ..... Price $0.40

No. 200V8—Guide for Ford "V8" ..... Price $0.40

Shipping Weight, 4 ozs.

Ford "V8" Valve Tool

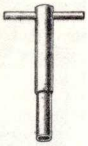
A drop forged tool especially designed for compressing Ford "V8" valve spring to enable removing or inserting bushing key. Length, 20½".

No. 2192—Ford "V8" Valve Tool ..... Price $0.50

Weight, 1¾ lbs.

CARBURETOR TOOLS

Ford 1934 Jet Wrench



This tool is especially designed for removing jet in the 1934 Ford "V8."

No. 284—Ford 1934 Jet Wrench ..... Price $0.55

Shipping Weight, 3 ozs.

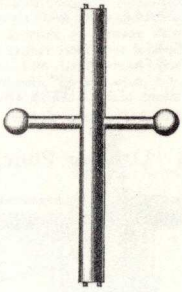
Carburetor Insert Puller for Ford "V40"

This tool is especially designed for performing the difficult operation of removing the insert in 1934 Ford carburetor without damaging same. Handle, amber DuroLite, blade selected steel.

No. 283—Ford "V40" Carburetor Insert Puller ..... Price $0.45

Shipping Weight, 3 ozs.

Ford "V8" Carburetor Jet Wrench

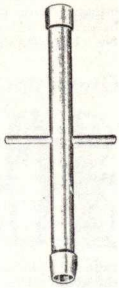


For 1933 "V8" and earlier model Ford carburetors and fuel pumps. Hardened prongs properly placed for removing both jets.

No. 274—Ford "V8" 1933 and earlier Jet Wrench .. .. Price $0.60

Shipping Weight, 6 ozs.

Ford "A" and "B" Carburetor Jet Wrench



This special wrench with hexagon openings on each end is especially designed for removing and replacing the two jets in Ford "A" and "B" cars. Cadmium plated.

No. 278—Carburetor Jet Wrench ..... Price $0.35

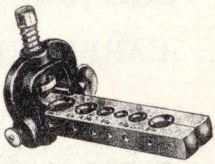
Shipping Weight, 4 ozs.

Fully guaranteed as to material and workmanship

Printed in U.S.A.

QUALITY PRODUCTS

DeLuxe Tube Flaring Tool



For flaring copper, brass or aluminum tubing. Need not remove tube. Self-aligning. Designed for tubing 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" outside diameter. Very simple to operate.

Shipping Weight, 1 lb.

No. 262—DeLuxe Tube Flaring Tool . . Price $2.25

Handy Flaring Tool

Forming tool clamps firmly around the tubing and the end is then formed by tapping the punch into the end of the tubing. Will fit 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" outside diameter tubing and can be used with copper, brass and aluminum tubing. Heavily cadmium plated. *Weight, 12 ozs.*

No. 263—Handy Flaring Tool . . . . . Price $1.75

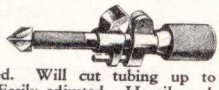
Flaring Tool for Larger Tubing

Same construction as above for tubing 1/2", 5/8" and 3/4" diameter.

No. 264—Large Handy Flaring Tool . . . . . Price $1.75

Shipping Weight, 1 lb.

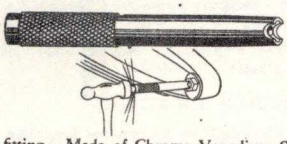
Tube Cutter



Especially designed to cut copper, brass and aluminum tubing with reamer to remove burr. Special tool steel roller, properly heat-treated and hardened. Will cut tubing up to and including 3/4" diameter. Easily adjusted. Heavily cadmium plated. *Shipping Weight, 8 oz.*

No. 260—Tube Cutter . . . . . Price $1.75

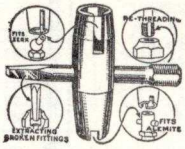
Driving Punch for Grease Fittings



A very essential tool for inserting such grease fittings which are not the screw type. Opening at the end of the punch fits accurately over the nipple of the grease fitting. Made of Chrome Vanadium Steel, heat treated and hardened. *Shipping Weight, 4 ozs.*

No. 272—Driving Punch for Grease Fittings. Price $0.25

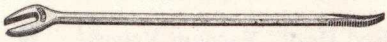
Grease Fittings Wrench and Re-Threader



Designed to remove and replace all types of oil and grease fittings as well as remove parts of broken fittings and rethread where threads have been damaged. Provided with suitable slots for handling special fittings. Made from high grade tool steel, heat treated, tempered and hardened. All parts cadmium plated. Packed in attractive carton, 12 tools to the standard package. *Shipping Weight, 1/4 lb.*

No. 649—Grease Fittings Wrench . . . . . Price $0.35

Grease Bar—Straight Type



A drop-forged hardened tool steel bar, octagon shaped, that will greatly facilitate a thorough greasing of frozen spring shackles. The help it affords makes greasing now a one-man job. The fork end is set at a 25° angle to conveniently clear all obstacles under most cars and besides has a 3 spring-leaf capacity to get a solid grip without endangering shackles or bushings. Length 30", diameter 3/4", cadmium plated finish. *Weight, 4 1/4 lbs.*

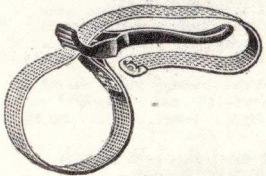
No. 2190—One-Man Grease Bar . . . . . Price $1.25

Angle Grease Bar

The 90° angle of the forked head is especially designed for servicing the front springs on cars where obstructions do not permit the use of an ordinary grease bar. The other end is tapered down to a narrow round point like a huge drift punch, for which the mechanic will have many uses. Drop forged from 3/4" octagon shaped tool steel, heat treated and hardened, cadmium plated finish. The fork has 3 spring-leaf capacity. Length, 20". *Weight, 3 1/2 lbs.*

No. 2191—Angle Grease Bar . . . . . Price $1.05

Strap Wrench



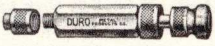
For removing hub caps, lamp rims, radiator caps, etc. Handle strong malleable iron, 9" overall, extra heavy woven strap 34" long. Has removable pin to replace straps.

Shipping Weight, 3/4 lb.

No. 645—Strap Wrench. . . . . Price $0.60

No. 645S—Replacement Strap of extra heavy woven material 34" long. *Shipping Weight, 6 ozs.* **Price, each . $0.30**

Grease Ram



With this tool, frozen joints are readily greased. Adapter enables use where Alemite Ford "A" and similar fittings are used. Cadmium plated. *Shipping Weight, 1/2 lb.*

No. 793—Grease Ram . . . . . Price $0.45

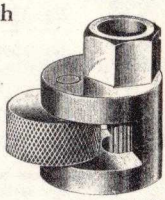
Socket for Alemite Fittings

Designed to be used with any handle with 1/2" square drive end. Enables removal and replacement of Alemite and similar fittings.

Shipping Weight, 12 Sockets, 2 lbs.

No. 694—Socket for Alemite Fittings. Price $0.15

Stud Wrench



This chrome vanadium steel tool is appreciated by mechanics on account of its strength, convenience, and design. The cut teeth in body insures a positive grip without damaging the stud. Capacity, 3/16" diameter.

No. 250—Stud Wrench . . . . . Price $1.50

Shipping Weight, 1 lb.

No. 250R—Extra Roller for above only . . . . . Price $0.45

Shipping Weight, 6 ozs.

Fully guaranteed as to material and workmanship

Printed in U.S.A.

Main Bearing Wrenches

FOR POPULAR CARS

All of these wrenches are made from Drop Forged Chrome Vanadium Steel and have 12 point accurately machined openings with heads properly offset and of the correct length to take care of problably one of the most important as well as difficult jobs on a motor. *Shipping Weight, 1 lb.*

No. 2049-12

This wrench has 12 point hexagon openings ¾"x11/16", 12" long and is especially useful on main bearings and cylinder head bolts on the followings cars: Chev. 6 and Pontiac 8, 1933 and 34; Chrysler 8, Chrysler 6, Dodge 6, Dodge 8 and Plymouth, 1930, 31, 32, 33, and 34.

No. 2049-12—¾"x11/16" Wrench, 12" long. Price $1.05

No. 2049-15

This wrench has same openings as above wrench and suitable for same cars and is 15" for those desiring a slightly longer wrench.

No. 2049-15—¾"x11/16" Wrench, 15" long. Price $1.25

No. 2050-12

Same type wrench as above with openings ⅝"x¾", 12" long, especially designed for Chevrolet 6 Main bearings up to and including 1932 models. Also Pontiac 6, 1928 to 1932.

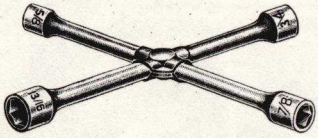
No. 2050-12—⅜x¾" Wrench, 12" long... Price $1.05

No. 2050-15

Same wrench as above except 15" long.

No.2050-15—⅜"x¾" Wrench, 15" long.. Price $1.25

4-Way Rim Wrench



A sturdy forged wrench with deep sockets ¾", ⅝", 13/16", and ⅞". Will fit rim and hub bolts on nearly all cars.

Weight 2½ lbs. each

No. 635—4-Way Rim Wrench.....Price $0.60

Knock-Out Wheel Pullers

Standard Knock-Outs are machined from solid bar special analysis steel, while Knock-Outs No. KO-120 to KO-A140 are machined from solid bar chrome vanadium steel.

No.	Price	Size	Price	Size
KO20	$0.20	⅝"x18	$0.45	KO120
KO24	.20	¾"x16	.50	KO124
KO24C	.20	¾"x20	.50	KO124C
KO26	.20	13/16"x16	.50	KO126
KO28	.20	⅞"x14	.55	KO128
KO28B	.20	⅞"x18	.55	KO128B
KO32	.20	1"x14	.60	KO132
KO36	.40	1⅛"x12	.75	KO136
KO40	.40	1¼"x 7	.95	KO140
KOA40	.40	1¼"x12	.95	KOA140

Master "711" Valve Grinder

Especially designed so as to advance and have the reverse motion at a different place at each revolution of the handle, insuring an absolute perfect job. Body of close grain iron. Ball bearing thrust insures ease of action. Long and short extensions provided. Heat treated, tempered and hardened gears. With the fittings furnished it is possible to grind all types of valves. 3 universal type blades and rubber vacuum cup furnished, with a valve grinding spring. Green baked enamel finish body. Natural lacquer handle.

Shipping Weight, 2 lbs.

No. 711..... Price each $2.10

Advancing Reciprocating Type Valve Grinder

This grinder offers a tool of the very latest type that not only reciprocates when turning the handle, but also advances with a progressive action that reverses the grinding motion at a different point each time. A sturdy tool with hardened gears, ball bearing thrust, heavy drawn case, green baked enamel finish, as illustrated, complete.

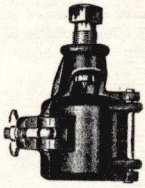
Shipping Weight, 1¼ lbs.

No. 412.....Price each $0.90

No. 701—Set of 4 Fittings..... Price .15
No. 710—Rubber Vacuum Cup..... Price .10

Heavy Duty Wheel Puller

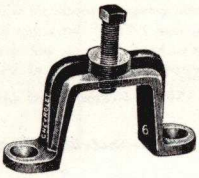
This closed or gate type wheel puller for Model "A", "B", "V8-18" and "V8-40" Ford cars is a tool that will be appreciated by both the mechanic and car owner. Can be clamped over hub in a moment. Cannot slip off or damage threads. Heavy malleable body with large hardened pulling screw. Baked enamel finish, cadmium plated trim.



Shipping Weight, 2¾ lbs.

No. 50—Heavy Duty Wheel Puller. Price..... $0.95

Chevrolet "6" Wheel Puller



A yoke type puller for all Chevrolet Six cars, both wire and disc wheels. Very substantially made, yoke is malleable iron especially selected for its tensile strength, the set screw is extra large, *heat treated, tempered* and *hardened steel,* baked enamel finish. Fully guaranteed for both quality and service.

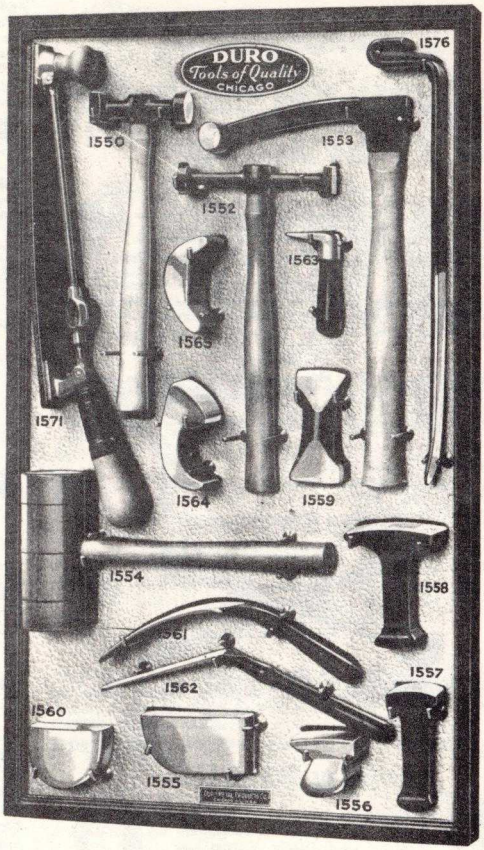
Shipping Weight, 2½ lbs.

No. 46—Chevrolet "6" Wheel Puller..... Price $0.65

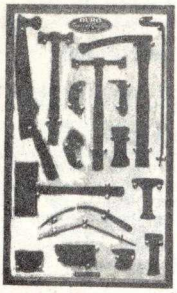
Fully guaranteed as to material and workmanship

Fender and Body Tools

No.	Description	Price Each
1550	Bumping Hammer, 13 oz.	$0.85
1552	Dinging Hammer	1.00
1553	Fender Bumping Hammer	1.45
1554	Hickory Mallet	.50
1555	Flat or "Toe" Dolly	.70
1556	Utility Dolly	.85
1557	Small Double End Hand Dolly	.45
1558	Large Double End Hand Dolly	.70
1559	Bead Dolly	.50
1560	Heel Dolly	.65
1561	Curved Flat Spoon	.60
1562	Flat Long Spoon	.60
1563	Fender Spoon	.40
1571	Flexible File and Holder	3.00
1576	Flange Tool	1.10
1565	Dolly	.70
1564	Dolly	.70



This display board contains the most popular tools used in body and fender repair work. Each tool is held by hooks which allow convenient removing and replacing of same. Your volume of sales will be very materially increased on these tools if properly displayed and shown to your prospects. This display is for the use of the jobber only to help him sell these tools. Only one board is furnished to a jobber and only furnished with assortment exactly as shown above. The board is 19" wide and 31" high.



Fender Tool Shadow Board

For the garage or mechanic who wants a convenient way of keeping his Duro fender and body tools, this 19"x31" attractive black and gold shadow board is available. It not only makes a place to keep the tools but is also a constant reminder to all customers that the shop is fully equipped to do this type of work.

No. 1596 —Shadow Board with 17 Fender and Body Tools illustrated above.. Price $18.75
Shipping Weight, 60 lbs.

No. 1596A—Shadow Board only without Tools ..... Price 4.25
Shipping Weight, 25 lbs.

Fully guaranteed as to material and workmanship

Printed in U.S.A.

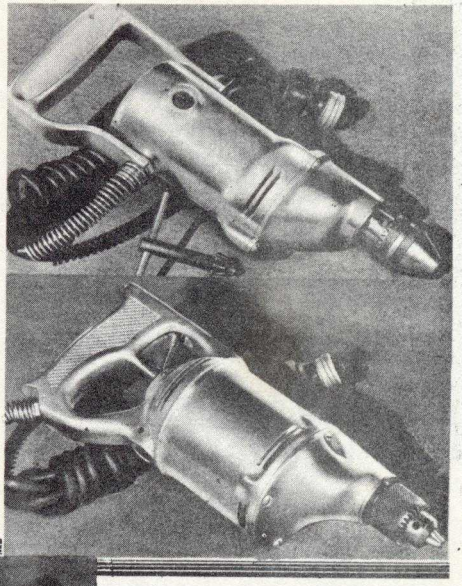
DURO ELECTRIC DRILLS

UTILITY DRILL

A quality tool, not built to a price, but to meet the demand of the operator that needs a sturdy but light weight drill for close work and hard to get at places. Just the drill for cabinet work, pattern work, radio and airplane assembly and an excellent drill for the home workshop.

Duro Drills represent the finest quality materials and workmanship. Equipped with G. E. Motor; New Departure Ball-Bearings on spindle; Jacobs keyed chuck; 10 feet of 3 wire safety cord and non-breakable plug. The G. E. Switch is totally enclosed in the main case to provide for close quarter drilling without handle. Double Reduction gears are helical cut and made from chrome vanadium heat treated steel—quiet and smooth running. Length with handle, 11½ inches; without handle, 9¼ inches. Motor for 110 volt A.C. or D.C. current, 60 cycles or less. Prices furnished on special voltages on request.

No.	DUTY	Capacity In Steel	No Load Speed	Shipping Weight	Price Each
3300	Utility	¼ in.	2000	5 lbs.	$17.95

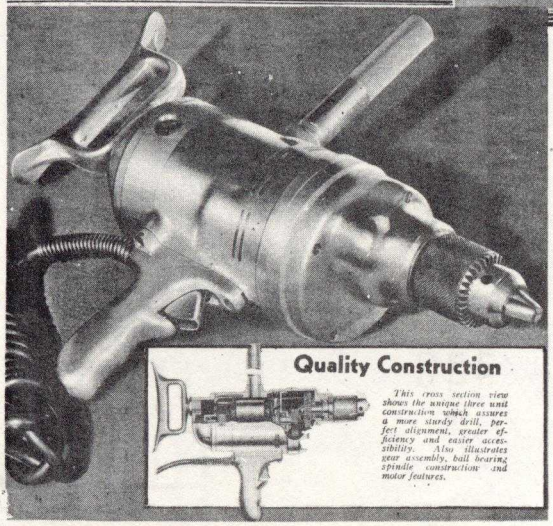


PISTOL GRIP DRILLS

More power per pound has been put into these drills than ever before thought possible. Duro drills will not stall when used at their maximum rate of capacity, and have ample safety factor beyond that point. The aluminum case has sufficient ventilation to operate at full load continuously without overheating. Double reduction gears are helical cut chrome vanadium steel—extra quiet, smooth and efficient. They are heat treated and ground to give longer life.

Equipped with G. E. Motor for 110 volt A.C. or D.C. current, 60 cycles or less. Jacobs keyed chuck; 10 feet of 3 wire safety cord and non-breakable plug. Fitted with totally enclosed double pole trigger switch with lock for continuous running.

No.	DUTY	Capacity in Steel	No Load Speed	Shipping Weight	Prices Each
3305	Ex-Heavy	¼ in	2000	10½ lbs.	$31.50
3310	Heavy	5/16 in	1400	11 lbs.	35.00
3315	Special	⅜ in	1300	12 lbs.	36.75



Quality Construction

This cross section view shows the unique three unit construction which assures a more sturdy drill, perfect alignment, greater efficiency and easier accessibility. Also illustrates gear assembly, ball bearing spindle construction and motor features.

BREAST DRILLS

Efficiency and maintenance to meet factory and production work was the upper-most thought when Duro designed these drills. They are constructed in 3 self-contained units—motor—gears and brush mechanism. This assures greater efficiency, positive alignment and accessibility in cleaning and maintenance.

Like all Duro Drills, they are powered with special G. E. Universal Motors that will run continuously under maximum load without overheating or stalling. For 110 volt A.C. or D.C. current, 60 cycles or less. Prices furnished on special voltage on request. Equipped with Jacobs keyed chuck; 10 feet of 3 wire safety cord and non-breakable plug. Totally enclosed double pole switch with lock for continuous running.

Fitted with double reduction, helical cut gears made from chrome vanadium, heat treated steel—ground to give longer life and smooth, quiet operation. NOTE that all Duro drills are streamlined to give the minimum of offset to the center line of chuck and to allow operator to drill close to wall.

No.	DUTY	Capacity in Steel	No Load Speed	Ship. wts.	Price Each
3320	Ex-Hvy.	½ in.	550	20½ lbs.	$46.50
3325	Heavy	⅝ in.	480	21½ lbs.	54.00
3330	Standard	¾ in.	425	23½ lbs.	57.00

Fully guaranteed as to material and workmanship

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